

(FILE 'HOME' ENTERED AT 09:51:06 ON 31 MAY 2003)

FILE 'REGISTRY' ENTERED AT 09:51:21 ON 31 MAY 2003

FILE 'REGISTRY' ENTERED AT 09:51:47 ON 31 MAY 2003

L1           1 S 2,4-D/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 09:52:15 ON 31 MAY 2003

L2           14349 S L1

L3           48862 S FREE ACID

L4           13 S L2 (P) L3

L5           0 S L2 (2A) L3

L4 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1979:484632 CAPLUS

DOCUMENT NUMBER: 91:84632

TITLE: Toxicity of the herbicides 2,4-D, DEF, propanil and trifluralin to the Dungeness crab, Cancer magister

AUTHOR(S): Caldwell, Richard S.; Buchanan, David V.; Armstrong, David A.; Mallon, Michael H.; Millemann, Raymond E.

CORPORATE SOURCE: Mar. Sci. Cent., Oregon State Univ., Newport, OR, 97365, USA

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LANGUAGE: English

AB Lethal and sublethal responses to 2,4-D (I) [94-75-7], DEF [78-48-8], propanil [709-98-8], and trifluralin [1582-09-8] of various life history stages of the Dungeness crab were examd. to est. max. acceptable toxicant concns. (MATC) of each compd. for this species.

Zoeae

were, in long term tests, the most sensitive stage. Based on the expts. with this stage, MATCs were >0.95 and <6.9 .mu.g/L for DEF, .gtoreq.26

and

<220 .mu.g/L for trifluralin, .gtoreq.80 and <1700 .mu.g/L for propanil, and <1000 .mu.g/L for the **free acid** form of I.

AB Lethal and sublethal respon